

Table 1

Annual Respondent Burden and Cost - Marine SI Engine Certification and AB&T Programs

Information Collection Activity	Hours and cost per application											Total hours and cost		
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Test Cell Operator @ \$45.40/hr	Transportation @ \$37.38/hr	Clerical @ \$31.06/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Applications/ respondent(2)	Number of Respon.	Total hr/yr	Total Cost/yr
Review of regs and guidance document	16	9	10	4	0	1	40	3,202	0	0	1	10	400	32,022
Developing eng families groups	3	1	0	0	0	1	5	321	0	0	1	10	50	3,209
Developing deterioration factors	12	5	0	38	2	3	60	3,149	0	0	5	10	3,000	157,465
Testing/Gathering emission data on test engines	30	14	0	22	2	14	82	4,794	0	0	5	10	4,100	239,712
Laboratory maintenance(1)	0	0	0	0	0	0	0	0	0	6,224	1	8	0	49,792
Test Cost (annualized)(1)	0	0	0	0	0	0	0	0	0	500	1	2	0	1,000
Analyze data to determine compliance	11	6	1	0	0	1	19	1,429	0	0	5	10	950	71,437
Preparing and submitting certification application and fee filing form	14	1	0	0	0	4	19	1,073	0	4	5	10	925	53,832
Preparing and submitting "carry over" applications	1	0	0	0	0	2	3	126	0	2	11	10	330	14,124
Fee (3)	0	0	0	0	0	0	0	0	0	826	11	10	0	90,860
Preparing and supporting running changes	7	5	1	3	0	2	18	1,242	0	6	35	6	3,780	262,063
Store, file and maintain records	3	1	1	0	0	7	12	616	0	5	16	10	1,920	99,370
Preparing and submitting annual production report and final AB&T Report	12	2	1	0	0	2	17	1,136	0	2	1	10	170	11,382
Total per respondent	109	44	14	67	4	37	275	17,089	0	varies	varies	10	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$942,116	0	\$144,152	varies	10	15,625	\$1,086,268

(1) See section 6(b)ii for details.

(3) See section 6(b)(ii) for details.

Average Burden= total burden/#respond

(2) See section 6(d) for details.

= 1,563 hrs per respon

Table 2

Annual Respondent Burden and Cost - Marine SI Production Line Testing Program

Information Collection Activity	Hours and cost per engine family											Total hours and cost			
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Clerical@ \$31.06/hr	Test Cell Operator @ \$45.40/hr	Assembler @ \$33.60/hr	Transport @ \$37.88/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Frequency (2)	Number of Respon.	Total hr/yr	Total Cost/yr
Review of instructions and regulations	57	5	8	0	0	0	0	70	5,019	0	0	1	10	700	50,195
Training	8	0	0	0	1	0	0	9	560	0	30	1	10	90	5,896
Projecting testing needs and planning test schedules	11	1	0	1	0	0	0	13	835	0	5	1	10	130	8,401
Engine selection and transport	4	0	0	0	1	1	1	7	374	0	1	1	10	70	3,745
Engine inspection	1	0	0	0	6	0	0	7	337	0	0	4	10	280	13,467
Testing (In-house)	8	0	0	0	12	2	0	22	1,126	0	100	16	8	2,816	156,959
Data entry and analysis	8	0	0	1	0	0	0	9	545	0	5	4	8	288	17,610
Other tasks (test equipment calibration, engine repair, etc.)	1	0	0	0	93	0	0	94	4,286	0	5	1	8	752	34,332
Testing (Contract Out)	0	0	0	0	0	0	0	0	0	0	1,500	4	2	0	12,000
Setting up contract	2	1	2	2	0	0	0	7	505	0	20	1	10	70	5,253
Preparing and submitting report	8	1	1	2	0	0	0	12	782	0	5	4	10	480	31,486
Store, file and maintain records	2	0	0	3	0	1	0	6	255	0	2	4	10	240	10,294
Total per manufacturer	110	8	11	9	113	4	1	256	14,625	0	varies	varies	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$323,798	0	\$25,840	N/A	10	5,916	349,638

(1) Includes diskettes, photocopying, postage expenses, phone calls, and testing costs, annualized. See section 6(b)(iii) for details.

(2) 1 = one time tasks; 4 = tasks carried out quarterly; other # = number of engine families. Refer to Section 6(d) for further detail.

Average Burden= total burden/#respond

= 592 hrs per respon

Table 3

Annual Respondent Burden and Cost - Marine SI In-use Testing Program

Hours and cost per application											Total hours and cost					
Information Collection Activity	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Clerical@ \$31.06/hr	Test Cell Operator@\$ 45.40/hr	Mechanic @ \$38.20/hr	Transport @ \$37.88/hr	Boat Driver @ \$37.40	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Frequency (2)	Number of Respon.	Total hr/yr	Total Cost/yr
Review of instructions and regulations	7	1	1	0	0	0	0	0	9	\$656	0	\$1	1	10	90	\$6,568
Training	2	0	0	0	1	0	0	0	3	\$174	0	\$30	1	10	30	\$2,040
Plan activities	16	0	0	0	0	0	0	0	16	\$1,028	0	\$30	1	10	160	\$10,585
Procure engines	2	1	0	2	0	0	0	0	5	\$288	0	\$20	3	10	150	\$9,229
Ship Engines	0	0	0	1	0	0	4	0	5	\$181	0	\$150	3	10	150	\$9,917
Engine Maintenance	1	0	0	0	3	33	0	0	37	\$1,461	0	\$200	3	10	1,110	\$49,832
Testing (In-house)	8	0	0	0	38	1	1	175	223	\$8,860	0	\$100	9	8	16,056	\$645,121
Testing (Contract Out)	0	0	0	0	0	0	0	0	0	\$0	0	1,500	4	2	0	12,000
Data entry and analysis	22	0	0	5	2	0	0	0	29	\$1,660	0	\$1	3	8	696	\$39,870
Preparing and submitting report	18	1	1	1	0	0	0	0	21	\$1,394	0	\$3	1	10	210	\$13,969
Store, file and maintain records	8	0	0	1	0	0	0	1	10	\$583	0	\$1	1	10	100	\$5,837
Total per manufacturer	84	3	2	10	44	34	5	176	358	\$16,284	0	varies	varies	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$773,995	0	\$30,974	N/A	10	18,752	\$804,969

(1) Includes diskettes, photocopying, postage expenses, phone calls, fuel and testing costs, annualized.

See section 6(b)(iii) for details.

Average burden= total burden/#respond

(2) 1 = one time tasks

= 1,875 hrs per respon

3 = tasks performed per engine family (3 engine families participate per manufacturer)

9 = number of tests performed/engine manufacturer/model year (minimum of 3 tests per engine family participating in any given model year).

Refer to Section 6(d) for further detail.

Table 5
Annual Agency Burden and Cost - Certification Program

Information Collection Activity	Hours and cost per application									Total hours and cost			
	Engineer @ \$62.66/hr	Senior @ \$17.65	Attorney @ \$66.34/hr	Manager @ \$76.85/hr	SES-1 @ 135.15	Respon. hr/yr	Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Applications /respon	Number of Respon.	Total hr/yr	Total cost/yr
Review of regs and standards	6	1	4	3	1	15	\$1,025	0	\$2	1	10	150	\$10,267
Entering data from applications into database	1	1.75	0	0	0	2.75	\$94	0	\$0	16	10	440	\$14,968
Reviewing applications, asking questions	7	3	0	0	0	10	\$492	0	\$10	16	10	1,600	\$80,251
Verifying that the correct engines have been tested	0.5	0.5	0	0	0	1	\$40	0	\$0	16	10	160	\$6,425
Answering manufacturers' questions	6	2.5	3	2	1	14.5	\$908	0	\$10	16	10	2,320	\$146,873
Issuing appropriate certificates	1	0.5	0	0	0	1.5	\$71	0	\$2	16	10	240	\$11,758
Storing data	1.75	2	0	0	0	3.75	\$145	0	\$8	16	10	600	\$24,473
Answering questions from the public	10	5	3	3	1	22	\$1,280	0	\$10	16	10	3,520	\$206,331
Upgrading and maintaining the database	80	10	0	10	2	102	\$6,228	0	\$5	1	10	1,020	\$62,331
Handling requests for confidentiality	1	1	2	1	1	6	\$425	0	\$3	16	10	960	\$68,478
Making information available to the public	5	3	0	1	1	10	\$578	0	\$5	16	10	1,600	\$93,320
Total	119.25	30.25	12	20	7	188.5	\$11,285	0	\$55	N/A	N/A	N/A	N/A
Total for the agency	N/A	N/A	N/A	N/A	N/A	N/A	\$717,724	0	\$7,750	16	10	12,610	725,474

(1) Includes photocopying, postage expenses and calls.

Table 6
Annual Agency Burden and Cost - Production Line Testing Program

Hours and cost per engine family								Total hours and cost				
Information Collection Activity	Engineer @ \$62.66/hr	Attorney @ \$66.34/hr	Manager @ \$76.85/hr	Agency hr/yr	Agency Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Frequency	Engine Families Per Repondent	Number of Respon.	Total hr/yr	Total cost/yr
Review regulations	7.0	3.0	1.0	11	\$714	0	\$1	1	1	1	11	\$715
Answer respondent questions	5.0	1.0	2.0	8	\$533	0	\$5	1	1	10	80	\$5,383
Review reports for format and completeness	1.0	0.0	0.0	1	\$63	0	\$0	4	16	10	640	\$40,102
Analyze reports	4.0	0.0	0.0	4	\$251	0	\$0	4	16	10	2,560	\$160,410
Request additional information, if needed	2.0	0.0	1.0	3	\$202	0	\$5	4	1	10	120	\$8,287
Enter data from reports into database and file submittals	1.0	0.0	0.0	1	\$63	0	\$1	4	1	10	40	\$2,546
Maintain/ enhance database	8.0	0.0	1.0	9	\$578	0	\$0	1	1	1	9	\$578
Post data in Internet	3.0	0.0	0.0	3	\$188	0	\$0	1	1	1	3	\$188
Analyze requests for confidentiality	4.0	3.0	1.0	8	\$527	0	\$1	1	1	1	8	\$528
Audit reports and records	5.0	0.0	1.0	6	\$390	0	\$3	1	1	1	6	\$393
Total per participating engine family	40	7	7	54	\$3,509	0	\$16	varies	varies	10	N/A	N/A
Total for the agency	N/A	N/A		N/A	\$218,836	0	\$295	N/A	16	10	3,477	\$219,131

(1) Includes photocopying, postage expenses and calls.

Table 7
Annual Agency Burden and Cost - In-use Testing Program

Information Collection Activity	Hours and cost per application							Total hours and cost		
	Engineer @ \$62.66/hr	Attorney @ \$66.34/hr	Manager @ \$76.85/hr	Agency hr/yr	Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Number of Respon.	Total hr/yr	Total cost/yr
Review Regulations	10.0	2.0	1.0	13	\$836	0	0	10	130	8,361
Answer respondent questions	4.0	1.0	1.0	6	394	0	7	10	60	4,008
Evaluate testing plans	5.0	0.0	1.0	6	390	0	2	10	60	3,922
Enter data from reports into database	1.0	0.0	0.0	1	63	0	0	10	10	627
Review submitted reports for format and completeness	1.0	0.0	0.0	1	63	0	2	10	10	647
Analyze reports	5.0	0.0	0.0	5	313	0	0	10	50	3,133
Request additional information if needed	3.0	0.0	1.0	4	265	0	5	10	40	2,698
Analyze requests for confidentiality	3.0	1.0	1.0	5	331	0	1	10	50	3,322
Maintain/enhance database	5.0	0.0	0.0	5	313	0	0	10	50	3,133
Total	37	4		46	2,968	0	17	10	N/A	N/A
Total for the agency	N/A	N/A		N/A	\$29,680	0	\$170	10	460	29,850

(1) Includes photocopying, postage expenses and calls.